DRAFT				Engi	neering Design/CAD – 1 of 1
Trade and Industrial Education		School Year	Student:		Grade:
Course: Engineering Design/CAD Course Code # 5788		Term: Fall Spring	Teacher: School:		
			Number of Competencies in Course: 17		
2 Credits			Number of Competencies Mastered:		
			Percent of Competencies Mastered:		
			1 creent of competencies waste	arcu.	
STANDARD 1.0: Students will demonstrate proficiency in creating manual two-dimensional scale drawings.					
Learning Expectations		Check the appropriate Mastery or Non-Mastery column		Mastery	Non-Mastery
1.1	Create accurate and complete manual scale drawings of two-dimensional objects and two-dimensional plans.				
1.2	Apply drawing dimensioning rules using basic measurement systems.				
STANDARD 2.0: Students will demonstrate proficiency in creating manual three-dimensional scale drawings.					
Learning	ting Expectations Check the appropriate Mastery or Non-Mastery column		Mastery	Non-Mastery	
2.1	Create complete orthographic projections of simple three-dimensional objects.				
2.2	Create complete orthographic projections of complex three-dimensional objects.				
STANDARD 3.0: Students will use the basic functions of a CAD software program to draw two-and three-dimensional objects.					
Learning	Learning Expectations Check the appropriate Mastery or Non-Mastery column			Mastery	Non-Mastery
3.1	Perform basic CAD software operations.				
3.2	Use standard templates and create new templates for CAD drawing.				
3.3	Use a CAD program to draw and dimension simple two-dimensional objects.				
3.4 Use a CAD program to draw and dimension orthographic projections of three-dimensional objects.					
STANDARD 4.0: Students will demonstrate proficiency in creating sectional and pictorial drawings using a CAD software program.					
Learning Expectations		Check the appropriate Mastery or Non-Mastery column		Mastery	Non-Mastery
	Create sectional views of moderately complex solid objects.				
4.2	Create pictorial drawings of a group of objects using a CAD program.				
STANDARD 5.0: Students will use CAD software skills to produce complete sets of project drawings.					
Learning Expectations		Check the appropriate Mastery or Non-Mastery column		Mastery	Non-Mastery
5.1	Draw individual components of a project using a CAD progr	ram.			
5.2	Make assembly drawings including exploded assemblies, for a project, using a CAD program.				
5.3					
STAND	ARD 6.0: Students will demonstrate leadersh	nin, citizenshin, and teamwork sk	ills required for success in the school	l. community, a	nd workplace.
Learning Expectations Check the appropriate Mastery or Non-Mastery column			Mastery	Non-Mastery	
6.1	Exhibit positive leadership skills.				
6.2	Participate in SkillsUSA-VICA as an integral part of classroom instruction.				
6.3	Assess situations and apply problem-solving and decision-making skills to particular client relations in the community, and workplace.				
6.4	Demonstrate the ability to work cooperatively with others in a professional setting.				

Additional Comments \_\_\_\_\_